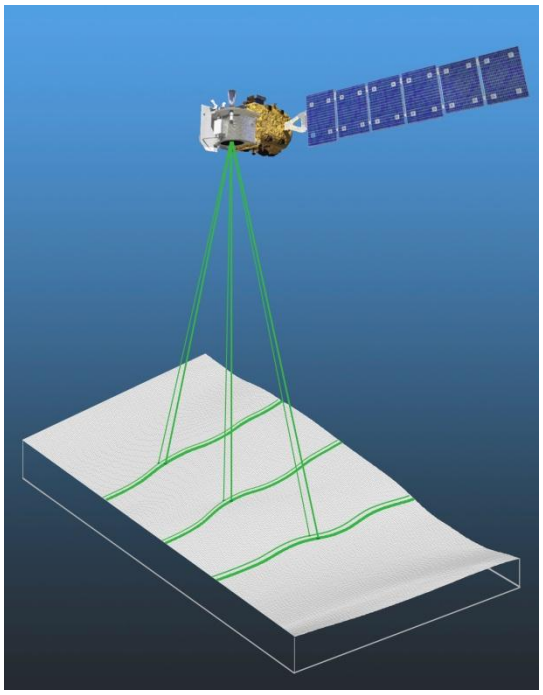
ICESat-2 First Applications Workshop

The Ice, Cloud, and land Elevation Satellite-2 (ICESat-2) is the 2nd-generation of the orbiting laser altimeter ICESat scheduled for launch in early 2016. The new instrument is a multi-beam micropulse laser altimeter with 10m ground footprints and 10kHz repeat rate.



ICESat-2 Mission Science Objectives

- Quantify polar ice-sheet change through time and subsequent impact on sea level rise.
- Quantify regional signatures of ice-sheet changes to assess mechanisms driving those changes and improve predictive ice sheet models.
- Estimate sea-ice thickness to examine ice/ocean/atmosphere exchanges of energy, mass and moisture.
- Measure vegetation canopy height as a basis for estimating large-scale biomass and biomass change.
- Enhance the utility of other Earth observation systems through supporting measurements.

What: 1st ICESat-2 Applications Workshop

When: April 12, 2012

Where: NASA Goddard Space Flight Center Greenbelt, Maryland

Purpose: Introduce the capabilities of the upcoming ICESat-2 mission to applications users and developers to facilitate interest in both the community of practice and the community of potential for the mission. Plenary talks will include mission overview and timeline, anticipated science data products, MABEL (the ICESat-2 data simulator) and how applied sciences can provide user feedback to the mission. (full agenda attached)

Registration: For additional information or to register please send email to Mark Carroll at Mark.Carroll@nasa.gov . Prior registration will be required for all non-NASA employees due to badging requirements at NASA/GSFC.